

GEMINI AIRCRAFT CORPORATION
FLD032890691
PRELIMINARY ASSESSMENT

1163

A. SITE DESCRIPTION

Gemini Aircraft Corporation is located in a commercial/industrial area at 3469 NW 55th Street, Broward County, Fort Lauderdale, Florida. The facility sells used aircraft parts and has been located at this site since at least August of 1984.

B. DESCRIPTION OF HAZARDOUS CONDITIONS, INCIDENTS AND PERMIT VIOLATIONS

This facility uses two substances, Instapak and Instapac 40, which are combined to form a packaging material for the aircraft parts that are sold. Gemini Aircraft Corp. is also suspected of using solvents on site, specifically mineral spirits. An unknown amount of wastes are generated in their operation.

C. NATURE OF HAZARDOUS MATERIALS

The packaging materials (Instapak and Instapac 40) contain polymeric isocyanate, polyphenylene, polyoxyalkylated glycol and polymethylene. The properties associated with these constituents are unknown, but may be potentially hazardous. The suspected solvents could be toxic, flammable and volatile.

D. ROUTES OF CONTAMINATION

Possible routes of contamination include groundwater used for irrigation, drinking water, surface water, air and direct contact.

E. POSSIBLE AFFECTED POPULATION AND RESOURCES

Area residents are provided with drinking water from the City of Fort Lauderdale Executive/Prospect Municipal Wellfield. The wellfield draws from the Biscayne aquifer which is a shallow, permeable, sole-source aquifer. The site is located approximately 500 feet from the nearest well, thus contaminants in the groundwater, surface water and soil on-site could contaminate the wellfield.

The facility is located 500 feet south of a lake, thus contaminated groundwater or surface runoff could contaminate surface water supplies, affecting recreational users and aquatic flora and fauna.

Workers may be exposed to hazardous substances via inhalation of volatilized compounds and via direct contact. Workers may also be injured in the event of an on-site fire.

F. RECOMMENDATIONS AND JUSTIFICATIONS

Gemini Aircraft Corporation uses significant quantities of substances (168 lb/yr Instapac 40 and 148 lb yr Instapak) for which the properties are unknown. The facility has been removed from the Generator list and placed on the User list. A low priority for investigation is recommended.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
FL D032890691

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)
Gemini Aircraft Corporation

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
3469 NW 55th Street

03 CITY
Fort Lauderdale

04 STATE 05 ZIP CODE 06 COUNTY 07 COUNTY CODE 08 CONG DIST
FL 33309 Broward 017 11

09 COORDINATES LATITUDE LONGITUDE
26 11 37. 080 11 45.

10 DIRECTIONS TO SITE (Starting from nearest public road) Proceed north on I-95 from Fort Lauderdale to Commercial Blvd. Proceed west $2\frac{1}{4}$ miles on Commercial Blvd. to NW 31st Ave. Proceed north $\frac{1}{2}$ mile on NW 31st Avenue to Prospect Rd. Proceed west $\frac{3}{4}$ mile on Prospect Rd. to NW 35th Ave. Proceed south 500 feet on NW 35th Ave. to NW 55th St. Proceed east on NW 55th St. Site is on left.

III. RESPONSIBLE PARTIES

01 OWNER (If known)
Gemini Aircraft Corporation

02 STREET (Business, mailing, residential)
3469 NW 55th Street

03 CITY
Fort Lauderdale

04 STATE 05 ZIP CODE 06 TELEPHONE NUMBER
FL 33309 (305) 484-8493

07 OPERATOR (If known and different from owner)
Russ Battye

08 STREET (Business, mailing, residential)
3469 NW 55th Street

09 CITY
Fort Lauderdale

10 STATE 11 ZIP CODE 12 TELEPHONE NUMBER
FL 33309 (305) 484-8493

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: ____/____/____ MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (RCRA 102(c)) DATE RECEIVED: ____/____/____ MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES DATE 8/14/85 MONTH DAY YEAR
☐ NO

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☒ F. OTHER: Broward County Environmental Quality Control Board (BCEQCB)

See Attachment A CONTRACTOR NAME(S):

02 SITE STATUS (Check one)
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
pre-1985 present ☐ UNKNOWN
BEGINNING YEAR ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

The facility uses Instapak and Instapak 40; however, the properties of those substances are unknown. The facility is also suspected of using solvents (mineral spirits) per the Hazardous Waste Survey of 8/9/84.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

The hazards associated with Instapak and Instapak 40 are not known. They could potentially contaminate groundwater, surface water, soil, air and drinking water.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspection on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT
Eric Nuzie *Cordland S. Hill*

02 OF (Agency/Organization)
Florida Department of Environmental Regulation

03 TELEPHONE NUMBER
(904) 488-0190

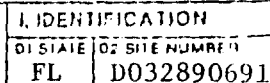
04 PERSON RESPONSIBLE FOR ASSESSMENT
Willard Murray

05 AGENCY
N/A

06 ORGANIZATION
E. C. Jordan Co.

07 TELEPHONE NUMBER
(207) 775-5401

08 DATE
11/14/85
MONTH DAY YEAR



EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
FL D032890691

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,000+ 04 NARRATIVE DESCRIPTION
Spills of solvent or Instapak could contaminate groundwater. No spills or discharges have been reported and no groundwater samples have been taken.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,000+ 04 NARRATIVE DESCRIPTION
Spills or discharges of hazardous substances on-site could contaminate surface water. The site is located approximately 500 feet south of a lake. No spills have been reported and no surface water samples have been taken.

01 ☒ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100 04 NARRATIVE DESCRIPTION
Instapak and Instapak 40 are mixed on-site. The properties of these materials are not known, but the reaction could produce fumes that may be hazardous.

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100 04 NARRATIVE DESCRIPTION
Mineral spirits are flammable. The degree of fire hazard of Instapak and Instapak 40 is not known, but the substances are potentially flammable.

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100 04 NARRATIVE DESCRIPTION
Instapak and Instapak 40 are mixed on-site and the workers could come in direct contact with these substances.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: < 0.5 04 NARRATIVE DESCRIPTION
(Acres)
Spills or leaks of mineral spirits Instapak and Instapak 40 could contaminate the soil. No spills have been reported and no soil samples have been taken.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,000+ 04 NARRATIVE DESCRIPTION
Area residents are provided with drinking water from the Fort Lauderdale Executive/Prospect Wellfield which produces from the shallow, permeable Biscayne Aquifer. The site is located 500 feet from the nearest well, and contaminants in the groundwater may reach the wellfield.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 1-100 04 NARRATIVE DESCRIPTION
Workers may be exposed to Instapak 40 and Instapak via inhalation or direct contact. Workers may also be injured in the event of an on-site fire.

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,000+ 04 NARRATIVE DESCRIPTION
Area residents may be exposed to Instapak, Instapak 40 or mineral spirits via surface water, drinking water and groundwater used for irrigation.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE: FL 02 SITE NUMBER: D032890691

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Contact with the substances on-site could damage plant life. However, there was no observed damage to the trees and grass on-site during the windshield survey, 8/14/85.

01 ☒ K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Contact with the substances on-site could harm wildlife; however, the facility is located in a commercial area which is largely devoid of wildlife.

01 ☐ L. CONTAMINATION OF FOOD CHAIN

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

Remote potential. The substances found on-site are not likely to be persistent in the environment.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES

(Spills, ruptured storage tanks, leaking drums)

03 POPULATION POTENTIALLY AFFECTED: 0

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

None reported.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None reported.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None reported.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None reported.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None known.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 10,000+

IV. COMMENTS

This site was removed from the Small Quantity Hazardous Waste Generator list and added to the non-generator list (Hazardous Waste Survey 8/28/85) and the User list (Hazardous Waste Survey 8/9/84). The properties of the materials found on-site (Instapak and Instapak 40) are not known, but are potentially hazardous.

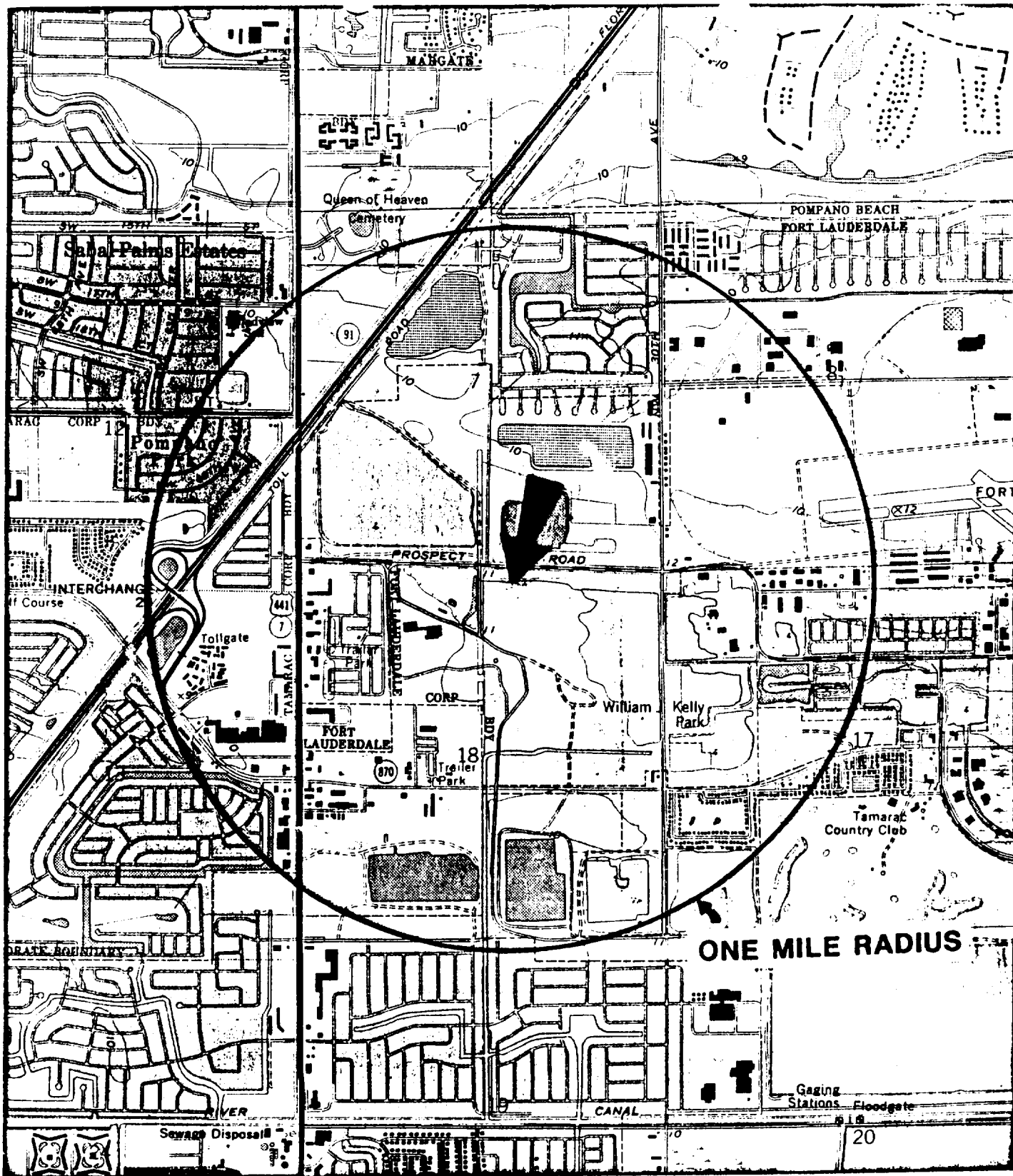
V. SOURCES OF INFORMATION (Cite specific references, e. g., State files, sample analysis, reports)

See attached reference list.

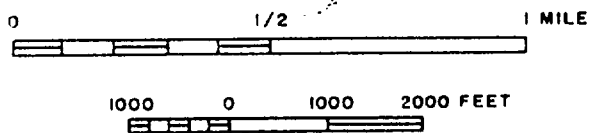
ATTACHMENT A
GEMINI AIRCRAFT CORPORATION
FL D032890691

ON-SITE INSPECTIONS

<u>Date</u>	<u>Agency</u>	<u>Samples</u>	<u>Comments</u>
8/14/85	E. C. Jordan Co. for FDER	No	Windshield survey (an off-site inspection). No problems reported.
2/28/85	Broward County Environmental Quality Control Board	No	Hazardous Waste Survey. No hazardous substances reported. Site changed from S.Q.H.W.G. to a non-generato
8/9/84	Broward County Environmental Quality Control Board	No	Hazardous Waste Survey. No hazardous substances reported. Inspector suspect solvents present on-site (mineral spirits?). Site changed from S.Q.H.W.G. to USER.



SCALE 1 : 24000



SITE LOCATION MAP

Gemini Aircraft Corp.
3469 NW 55 Street

USGS QUAD Ft. Lauderdale North

DATE 1983

EC.JORDAN CO.

REFERENCE LIST

1. Environmental Protection Agency, Federal Register, National Oil and Hazardous Substances Contingency Plan, Part V, July 16, 1982.
2. Farm Chemicals Handbook, Willoughby, OH; Meister Publishing Company, 1982.
3. Florida Department of Environmental Regulation, The Sites List, Summary Status Report, July 1, 1983 - June 30, 1984.
4. Florida Department of Environmental Regulation, 3012 Folder, 2600 Blairstone Road, Tallahassee, Florida. To be used for completion of Preliminary Assessment, Form 2070-12.
5. Florida Department of Natural Resources, Water Resources of Broward County, Report of Investigation No. 65, 1973.
6. Florida Division of Geology, Chemical Quality of Waters of Broward County, Florida, Report of Investigations No. 51, 1968.
7. Florida Geological Survey, Biscayne Aquifer of Dade and Broward Counties, Florida, Report of Investigation No. 17, 1958.
8. Florida Geological Survey, Groundwater Resources of the Oakland Park Area of Eastern Broward County, Florida, Report of Investigation No. 20, 1959.
9. Health and Safety Plan, Florida 3012 Program, E.C. Jordan Co., June 1984.
10. Healy, Henry G., 1977, Public Water Supplies of Selected Municipalities in Florida, 1975: U.S. Geological Survey, Water-Resources Investigations 77-53, p. 309.
11. NUS Project for Performance of Remedial Response Activities at Uncontrolled Hazardous Substance Facilities--Zone 1. NUS Corporation, Superfund Division.
12. NUS Training Manual, Project for Performance of Remedial Response Activities at Uncontrolled Hazardous Substance Facilities--Zone 1, NUS Corporation, Superfund Division.
13. Sax, N. Irving, Dangerous Properties of Industrial Materials, Sixth Edition, Van Nostrand Reinhold Co., 1984.
14. TLVs Threshold Limit Values for Chemical Substances in the Work Environment Adopted by ACGIH for 1983-84, American Conference of Governmental Industrial Hygienists, ISBN: 0-936712-45-7, 1983.
15. U.S. Geological Survey, Topographic Map, 1-24,000 Series.
16. Windholz, M., ed. The Merck Index, an Encyclopedia of Chemicals and Drugs, Rahway, NJ: Merck and Company, Inc., 1976.

REGION: 04
STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 95
RUN DATE: 04/06/87
RUN TIME: 16:38:05

M.2 - SITE MAINTENANCE FORM

		* ACTION: _	*
EPA ID : FLD032890691			
SITE NAME: GEMINI AIRCRAFT	SOURCE: R	* _____	*
STREET : 3469 NW 55 ST	CONG DIST: 12	* _____	*
CITY : FT LAUDERDALE	ZIP: 33309	* _____	*
CNTY NAME: BROWARD	CNTY CODE : 011	* _____	*
LATITUDE : 26/11/36.0	LONGITUDE : 080/10/54.0	* ____/____/____	*
LL-SOURCE: R	LL-ACCURACY:	* _	*
SMSA : 2680	HYDRO UNIT: 03090202	* _____	*
INVENTORY IND: Y	REMEDIAL IND: Y	REMOVAL IND: N	FED FAC IND: N
NPL IND: N	NPL LISTING DATE:	NPL DELISTING DATE:	
SITE/SPILL IDS:		* _ _ _ _ _	*
RPM NAME:	RPM PHONE: - -	* _____	*
SITE CLASSIFICATION:	SITE APPROACH:	* _	*
DIOXIN TIER:	REG FLD1:	REG FLD2:	
RESP TERM: PENDING ()	NO FURTHER ACTION ()	* PENDING (_)	NO FURTHER ACTION (_)
ENF DISP: NO VIABLE RESP PARTY ()	VOLUNTARY RESPONSE ()	* _	*
ENFORCED RESPONSE ()	COST RECOVERY ()	* _	*
SITE DESCRIPTION:			
	* _____		
	* _____		
	* _____		
	* _____		

REGION: 04
STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

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M.2 - PROGRAM MAINTENANCE FORM

SITE: GEMINI AIRCRAFT

EPA ID: FLD032890691 PROGRAM CODE: H01 PROGRAM TYPE:

PROGRAM QUALIFIER: ALIAS LINK :

PROGRAM NAME: SITE EVALUATION

DESCRIPTION:

* ACTION: _

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REGION: 04
STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

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M.2 - EVENT MAINTENANCE FORM

SITE: GEMINI AIRCRAFT
PROGRAM: SITE EVALUATION

EPA ID: FLD032890691 PROGRAM CODE: H01

EVENT TYPE: DS1

FMS CODE: EVENT QUALIFIER :

EVENT LEAD: S

EVENT NAME: DISCOVERY

STATUS:

DESCRIPTION:

* ACTION: _

* _ _ _ _ _ *

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ORIGINAL	CURRENT	ACTUAL
START:	START:	START:
COMP :	COMP :	COMP : 06/01/85

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* _/_/_ _/_/_ _/_/_ *

HQ COMMENT:

* _ _ _ _ _ *

RG COMMENT:

* _ _ _ _ _ *

COOP AGR #	AMENDMENT #	STATUS	STATE %
			0

* _ _ _ _ _ *

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 98
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RUN TIME: 16:38:05

* ACTION: _____

DESCRIPTION:

COMP : 03/17/86

STATE X

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[illegible]

REGION: 04
STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 99
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M.2 - REGIONAL UTILITY MAINTENANCE FORM

SITE: GEMINI AIRCRAFT
EPA ID: FLD032890691

REG CODE: HSCS-01
DESCRIPTION: SOLVENTS

DATE1:

DATE2:

DATE3:

FREE FIELD:

REG CODE: OPDU-01
DESCRIPTION: UNKNOWN

DATE1:

DATE2:

DATE3:

FREE FIELD:

REG CODE: 4C85-01
DESCRIPTION: CERCLA FY 85 CA

DATE1:

DATE2:

DATE3:

FREE FIELD:

* ACTION: _

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* ACTION: _

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* ACTION: _

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REGION: 04
STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 100
RUN DATE: 04/06/87
RUN TIME: 16:38:05

M.2 - REGIONAL UTILITY MAINTENANCE FORM

SITE: GEMINI AIRCRAFT

EPA ID: FLD032890691

REG CODE: 4EWF-01

DESCRIPTION: EXECUTIVE WELL FIELD STUDY SITE

DATE1:

DATE2:

DATE3:

FREE FIELD:

* ACTION: _

* _____ *

* _____ *

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* _/_/_/ _ *

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* _____ *

REG CODE: 4HRN-01

DESCRIPTION: PRELIMINARY HRS NEEDED

DATE1:

DATE2:

DATE3:

FREE FIELD:

* ACTION: _

* _____ *

* _____ *

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